

Notice of Allowability

Application No.

Applicant(s)

09/955,213

DUPILLE, MICHAEL

Examiner

Art Unit

Michael P Colaianni

1731

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Examiner's Amendment of June 30, 2003.
 2. ☒ The allowed claim(s) is/are 12-17.
 3. ☒ The drawings filed on 17 September 2001 are accepted by the Examiner.
 4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - (a) ☐ The translation of the foreign language provisional application has been received.
 6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

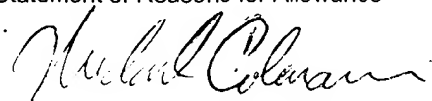
7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1 <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 4 <input checked="" type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____ | 6 <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |



MICHAEL COLAIANNI
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mark Lorbiecki on June 30, 2003.

The application has been amended as follows:

Cancel non-elected claims 1-11, 18-20

Claim 12 line 14 after "back to room temperature" insert—such that the temperature differential between a core and a surface of the glass putter head melt is kept within 10 percent of each other—

The following is an examiner's statement of reasons for allowance: none of the prior art examined taught or fairly suggested a method of casting a glass putter comprising the combination of steps: providing a pattern for the glass putter head; casting a master putter glass mold for the glass putter head; loading the putter glass mold with glass pieces at room temperature; firing in a kiln the glass putter head mold loaded with glass pieces to obtain a glass putter head melt; annealing the glass putter head melt through a plurality of cooling steps back to room temperature such that the temperature differential between a core and a surface of the glass putter head melt is kept within 10

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percent of each other; drilling a putter shaft hole into the glass putter head; and affixing a putter shaft into the hole in the glass putter head.

The closest piece of prior art, Tikhonova 5,895,511, teaches a method of creating decorative construction glass material. However, Tikhonova's method neither teaches the method described in claims 12-17, nor does Tikhonova disclose or reasonably suggest a method for casting a glass putter comprising: providing a pattern for the glass putter head; casting a master putter glass mold for the glass putter head; loading the putter glass mold with glass pieces at room temperature; firing in a kiln the glass putter head mold loaded with glass pieces to obtain a glass putter head melt; annealing the glass putter head melt through a plurality of cooling steps back to room temperature such that the temperature differential between a core and a surface of the glass putter head melt is kept within 10 percent of each other; drilling a putter shaft hole into the glass putter head; and affixing a putter shaft into the hole in the glass putter head.

As to claim 13, Tikhonova does not disclose or reasonably suggest a method wherein the putter is made by a process that includes four generations of patterns.

As to claim 14, Tikhonova does not disclose or reasonably suggest a method where the master glass putter mold is loaded with about 284 grams to about 397 grams of 96 COE soda lime glass pieces.

As to claim 15, Tikhonova does not disclose or reasonably suggest a method where the master glass putter mold is loaded with about 284 grams to about 397 grams of 90 COE soda lime glass pieces.

As to claim 16, while Tikhonova does teach using a series of cooling and heating annealing steps to form the decorative glass construction material (see Figure 2), Tikhonova does not disclose or reasonably suggest a method wherein the master glass putter head with loaded glass is fired in a kiln from room temperature to about 649 degrees Celsius to obtain a glass putter head melt in about 6 hours; holding the glass melt of about 30 minutes at about 649 degrees Celsius, heating one hour to about 807 degrees Celsius and holding for about 40 minutes at about 807 degrees Celsius.

As to claim 17, while Tikhonova does teach using a series of cooling and heating annealing steps to form the decorative glass construction material (see Figure 2), Tikhonova does not disclose or reasonably suggest a method wherein the glass putter head melt is annealed by cooling the glass melt in about 20 minutes to about 510 degrees Celsius; holding for about two hours at 510 degrees Celsius; cooling about four and a half hours to 410 degrees Celsius; holding for about two hours at 410 degrees Celsius; cooling about seven hours to about 66 degrees Celsius; holding for about 5 minutes at 66 degrees Celsius; then turning the kiln off and allowing glass putter heads to cool to room temperature.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael P Colaianni whose telephone number is 703-305-5493. The examiner can normally be reached on Monday to Thursday and alternate Fridays from 9:00 AM to 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Griffin can be reached on 703-308-1164. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9310 for regular communications and 703-872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0651.

A handwritten signature in black ink, appearing to read "Michael P. Colaianni", with a stylized flourish at the end.

**MICHAEL COLAIANNI
PRIMARY EXAMINER**